

MILITARY SPECIFICATION

SEMICONDUCTOR DEVICE, TRANSISTOR, NPN, SILICON, POWER
TYPES 2N5152, 2N5154, JAN, JANTX AND JANTXV

This amendment forms a part of Military Specification
MIL-S-19500/544(USAF), dated 6 August 1980, and is approved
for use by the Department of the Air Force and is available
for use by all Departments and Agencies of the Department
of Defense.

PAGE 1

Title, line 2: Delete "2N5152, 2N5154" and substitute "2N5152, 2N5152L, 2N5154,
2N5154L". Make this same change wherever it appears throughout the document.

PAGE 3

Figure 1: Delete and substitute new figure 1 as printed on page 2 of this
amendment.

Custodian:
Air Force - 17

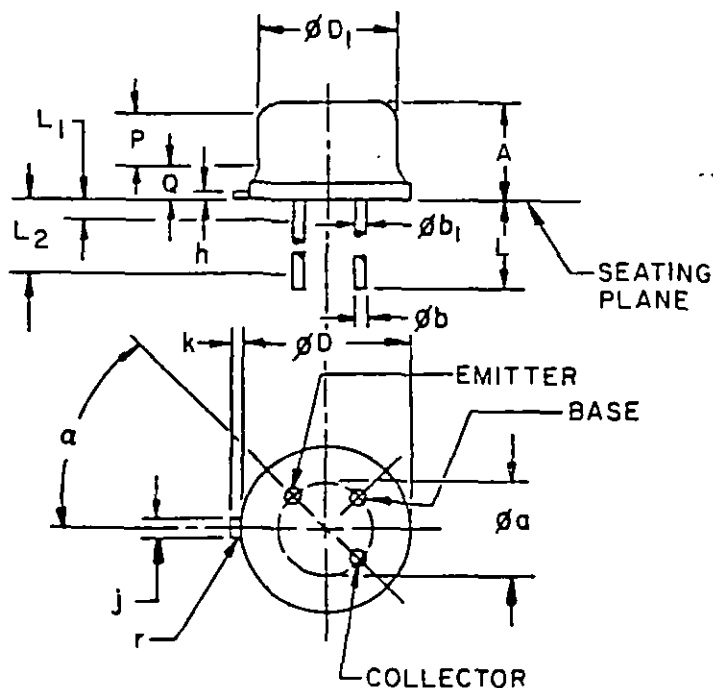
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Air Force - 17

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(Project 5961-F826)

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DLA - ES

MIL-S-19500/544 (USAF)
AMENDMENT 1



DIMENSIONS					NOTES
LTR	INCHES		MILLIMETERS		
	MIN	MAX	MIN	MAX	
A	.240	.260	6.10	6.60	
Øa	.200 TP		5.08 TP		6
Øb	.016	.021	.41	.53	7, 8
Øb ₁	.016	.019	.41	.48	7, 8
ØD	.335	.370	8.51	9.40	
ØD ₁	.305	.335	7.75	8.51	
h	.009	.041	.23	1.04	
j	.028	.034	.71	.86	2
k	.029	.045	.74	1.14	3
L	See notes 7, 8, 11 and 12				
L ₁	---	.050	---	1.27	7, 8
L ₂	.250	---	6.35	---	7, 8
P	.100	---	2.54	---	5
Q	---	.050	---	1.27	4
r	---	.010	---	.25	10
α	45° TP		45° TP		6

NOTES:

1. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
2. Beyond r (radius) maximum, j shall be held for a minimum length of .011 (.28 mm).
3. k measured from maximum ØD.
4. Outline in this zone is not controlled.
5. ØD₁ shall not vary more than .010 (.25 mm) in zone P. This zone is controlled for automatic handling.
6. Leads at gage plane .054 +.001 - .000 (1.37 +.03 - .00 mm) below seating plane shall be within .007 (.18 mm) radius of true position (TP) at maximum material condition (MMC) relative to tab at MMC. The device may be measured by direct methods or by the gage and gaging procedure shown in figure 2.
7. Øb₁ applied between L₁ and L₂. Øb applies between L₂ and L minimum. Diameter is uncontrolled in L₁ and beyond L minimum.
8. All three leads.
9. The collector shall be electrically and mechanically connected to the case.
10. r (radius) applies to both inside corners of tab.
11. For transistor types 2N5152 and 2N5154, L is .500 (12.70 mm), and .750 (19.05 mm) maximum.
12. For transistor types 2N5152L and 2N5154L, L is 1.500 (38.10) minimum, and 1.750 (44.45 mm) maximum.

FIGURE 1. Physical dimensions.